5. $xy + x + y = 5$

6. $x^2y - 2y + 5 = 0$

7. $x^2y^3 - xy = 6$

8. $\sqrt{x} = 5\sqrt{y}$

9. $\sqrt{x} + \sqrt{y} = 25$

10. $xy - x - 3y - 4 = 0$

11. $6x^2 + 4y^2 = 36$

12. $ax^2 - by^2 = c^2$

13. $\ln x + \ln(y^2) = 3$

14. $x \ln y + y^3 = \ln x$

15. $\sin(xy) = 2x + 5$

16. $e^{\cos y} = x^3 \arctan y$